

[Name of Document] **ABSTRACT**

[Summary]

[PurPose] An object of the present invention is to provide a stator for an automotive alternator which has good installation characteristics for stator coils and which can lower noise.

[Construction] A stator for an automotive alternator is provided with good installation characteristics for stator coils and which can lower noise; the stator 8 including, a stator core 122 in which a plurality of slots 125 are formed at an inner circumference thereof and stator coils 23 which are fitted into the slots, and a rotor 6 provided inside the stator 8 so as to be capable of rotating, including, a rotor coil 15 for flowing a current to generate magnetic flux, and a pole core 16 for housing the rotor coil and forming a plurality of claw-shaped magnetic poles in accordance with magnetic flux, and, 2 slots 125 are provided for each set of stator coils, each phase and each magnetic pole and the total number of slots 125 is seventy-two (72) or more, the stator core 122 is such that a plurality of sheet-shaped magnetic members with a plurality of teeth 124 patterning the slots 125 at one side of a yoke 123 are laminated, the stator coils 23 are disposed in the slots 125, and the stator core 122 is rounded such that the stator coils 23 become the inner side thereof and both end surfaces thereof are contacted to connect the stator core 122 in an annular shape.

[Select Figure] Fig.1